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### ELECTRONIC THESIS AND DISSERTATION UNSYIAH

#### TITLE

PENGARUH PEMBERIAN EKSTRAK KUNYIT (CURCUMA DOMESTICA VAL) TERHADAP SEL SERTOLI TESTIS KONTRALATERAL PASCA TORSIO TESTIS PADA TIKUS PUTIHRN(RATTUS NORVEGICUS)

#### ABSTRACT

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Testicular torsion can have an impact on the contralateral testis. Antioxidant therapy is one of option therapy after testicular torsion. One of the antioxidan is curcumin. The purpose of this study was to determine the effect of turmeric extract (Curcuma domestica Val.) on Sertoli cell morphology and number of contralateral testis after testicular torsion in rats (Rattus norvegicus). This study used a completely randomized design (RAL) consisting of 30 white Wistar male rats and divided into 3 groups: control group (KO), the treated group P1 torque of 3600 for 4 hours to the medial and given a turmeric extract as much as 50 mg/kg body weight/day orally in a single dose administered every day for 30 days and P2 groups were given the same treatment but were not given the extract of turmeric. Both treatment groups were observed on day 30. Results of one-way ANOVA statistical analysis obtained

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